

FILE PRINTING FOR PEDESTRIANS

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This note is written to accomodate users of Accelerator
Physics Data Base BNLDAG:: DUA0:[PARSA1], and
BNLCLn::\$2\$DUA7:[ZOHREH], (n=1,2,3 or 4), etc.
It describes different ways of printing files
and more. [Note that, due to CYBERVAX
revisions, the node Id's have been changed to 3 digits,
described as yyy in this paper].

FOLLOWING ARE THE COMMANDS THAT CAN BE USED TO PRINT
[VAX OR CDC] FILES ON BNL [VAX OR CDC] PRINTERS:

Note: To print more than one copy, use the /COPIES=n
(n = any number of copies from 1 to 255).

For example;

```
$ PRINT/COPIES=5 SYNCH.FOR;3
```

will print 5 copies of the file SYNCH.FOR;3.

a. TO PRINT FILES ON BNLCLUSTER [BNLCL2]:

(NOTE: The following commands must be
given from the BNLCLUSTER;
Printers are in the Computer Center Bldg.515)

- a. \$ PRINT FILE.EXT;2 [this will print at the center]
- b. \$ PRINTNL FILE.EXT;2 [this will print on unruled paper]
- c. \$ PRINTL FILE.EXT;2 [this will print on ruled paper]
- d. \$ VP FILE.EXT;2 [this will print on VERSATEC printer]
- e. \$ PRINT/DEVICE=LVA0 [same as d above]
- f. \$ PRINT/DEVICE=TXA1 [prints on the center Lazer printer]
- g. \$ PRINT/DEVICE=LP515 [prints on LP515 printer at the center]

b. TO PRINT A FILE ON BNLDAG PRINTERS:

(Printers are in building 940)

- 1. \$ PRINT FILE.EXT;2 [this will print a copy of file.ext
on the VERSATEC printer SYS\$PRINT LPA0:
in bldg. 940]
- 2. \$ COPY FILE.EXT;2 LPA0: <return>
[This will print a copy of
file.ext;2 on LPA0 PRINTER.,
same as above]
- 3. COPY FILE.EXT;2 BNLHEP::LPA0: <return>
[This will print a copy of
file.ext;2 on VERSATEC
printer SYS\$PRINT LPA0:]
- 4. \$ COPY <return>
from: FILE.EXT;2 <return>
to: BNL734::LPA0: [This will print a copy
of file.ext;2 on 600 lpm
impact printer LPA0:]

```

5. $ COPY <return>
from:  FILE.EXT;2    <return>
to:    BNLHP1::LCA0: [This will print a copy
                        of file.ext;2 on 600 lpm
                        impact printer LCA0:

```

- c. 6. To print a program that is on BNLDAG (e.g. from DUA0:[PARSA1.SYNCH] directory), on MFA.xx PRINTERS, where xx is the printers ID. For example;

```

xx = dd    (in building 902a),
xx = de    (is the fast printer in the AGS building)
xx =       (blank; i.e, MFA. ; For printing at the center)

```

We may use the CDC LINK and command LIST.
For example login on BNLDAG; then enter:

```

$ CDC <return>
Command: LIST BNLDAGFILE.EXT ANAME MFA.DD <return>
Command: QUIT
$ (back on bnldag)

```

Note, ANAME is the header name for the printed copy.

- d. We may also use the following command (cyber7600), and print a VAX file on the MFAxx, (e.g. MFA.) printer:

1. After the VAX \$ prompt, use an editor (e.g. EDT) and create a file (example \$EDIT VAX.FILE) containing the following :

```

ANAME,STMFZ. any comment you like
ACCOUNT,parsal,123,123.           ![[parsal=yourname, 123=yourno.]
GETPF(LFN,$vax-file$,ST=CVXyyy,ID=vaxusername,PW=vax-passwd,CV=AVF)
DISPOSE(LFN,*PR,ST=MFAIxx

```

LFN = logical file name

yyy = node ID; [use show net to get this information]
where your vax- file; to be printed resides;
E.G.; bnldag ID = 030
BNLCL1 ID = 011
BNLCL2,3,4 ID = 012,013,014 respectively.

xx = printer ID, same as in above;
E.g. dd, i.e. MFA.DD

2. enter \$ MSUB VAX.FILE <return>

- e. Finally, we may use the following to print a CDC file on a BNLCLUSTER printers:

[after the VAX \$ prompt enter:]

1. Edit a file which contains the following CDC commands.

i)

```

ANAME,STMFZ.          7600 permanent file
ACCOUNT,PARSA1.123,123.
attach,lfn,permanentfile,id=name.
SAVEPF,LFN,$VAX-FILE$,ST=CVXyyy,ID=vaxusername,PW=vax-passwd,CV=AVF.
%%eof

```

ii)

```

aname,stmfz.          6600 permanent file
account,parsa1,123,123.
attach,lfn,permanentfilenam,id=name,st=stp.
rewind,lfn.
copy,lfn,lfn1.
rewind,lfn1.
savepf,lfn1,$vax-file$,st=cvxyyy,id=vaxusername,pw=vax-password,cv=avf
%%eof

```

LFN = logical file name

yyy = node ID; [use show net to get this information]
 where your vax- file; to be printed resides;
 For example:

```

BNLDAG ID - 030
BNLCL1 ID - 011

```

BNLCL2,3,4 ID - 012,013,014 respectively.

xx = printer ID, same as in above;
 E.g. dd, i.e. MFA.DD

2. After creating the above VAX file, [e.g. called CDC.FILE which includes i) or ii)] enter:

\$ MSUB CDC.FILE <return>

3. and then,

```
$ PRINT/DEVICE=printrname FILE.EXE
```

!where FILE.EXE is the vax-file, that was brought from CDC in step 2.

HOW TO STOP A JOB:

1. TO DELETE A PRINT JOB:

i. To delete the currently printed job:
\$ STOP/ABORT LPA0:

ii. To delete a waiting print job:
\$ DELETE/ENTRY-JOB LPA0:

2. To check and fix the printer (e.g. change paper)
\$ STOP/QUEUE/NEXT LPA0:

3. To delete the job [on BNLDAG, or with operator privilege on BNLCLUSTERS]

```
$ DELETE/QUEUE LPA0 (to delete job)
$ STOP/QUEUE LPA0 (to change paper)
$ START/QUEUE LPA0
```

4. TO STOP A CURRENTLY EXECUTING JOB:

```
$ STOP/QUEUE/ENTRY-JOB SYS$BATCH ;or
$ DELETE/ENTRY-JOB SYS$BATCH
```

5. To get the JOB , use:

```
$ SHOW QUEUE ;[this shows all YOUR job in all QUEUES]
$ SHOW QUEUE/ALL
$ SHOW QUEUE SYS$BATCH
$ SHOW QUEUE SYS$PRINT
```